RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/552,896
Source: IFW
Date Processed by STIC: 9/01/2006

ENTERED

CRF Errors Edited by the STIC Systems Branch

Serial Number: 10/552,896 CRF Edit Date: 9/01/2006
Edited by: DA

___ Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

___ Corrected the SEQ ID NO. Sequence numbers edited were:

_____

___ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

_____

✓ Deleted: ___ invalid beginning/end-of-file text ; ___ page numbers

___ Inserted mandatory headings/numeric identifiers, specifically:

_____

___ Moved responses to same line as heading/numeric identifier, specifically:

_____

___ Other:

_____
_____
_____

Revised 09/09/2003

IFWP

RAW SEQUENCE LISTING DATE: 09/01/2006
PATENT APPLICATION: **US/10/552,896** TIME: 12:13:41

Input Set : **A:\pto.da.txt**
Output Set: **N:\CRF4\09012006\J552896.raw**

<110> APPLICANT: Neose Technologies, Inc.
DeFrees, Shawn
Zopf, David
Bayer, Robert
Hakes, David
Chen, Xi
Bowe, Caryne
<120> TITLE OF INVENTION: GLYCOPEGYLATION METHODS AND PROTEINS/PEPTIDES PRODUCED BY THE METHODS
<130> FILE REFERENCE: 040853-5051-US01
<140> CURRENT APPLICATION NUMBER: US 10/552,896
<141> CURRENT FILING DATE: 2005-10-11
<150> PRIOR APPLICATION NUMBER: US 10/411,012
<151> PRIOR FILING DATE: 2003-04-09
<150> PRIOR APPLICATION NUMBER: US 10/411,026
<151> PRIOR FILING DATE: 2003-04-09
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<151> PRIOR FILING DATE: 2003-04-09
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<151> PRIOR FILING DATE: 2003-04-09
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<151> PRIOR FILING DATE: 2003-04-09
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<151> PRIOR FILING DATE: 2003-04-09
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<151> PRIOR FILING DATE: 2003-04-09
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<151> PRIOR FILING DATE: 2004-04-09
<160> NUMBER OF SEQ ID NOS: 75
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RAW SEQUENCE LISTING DATE: 09/01/2006
PATENT APPLICATION: **US/10/552,896** TIME: 12:13:41

Input Set : **A:\pto.da.txt**
Output Set: **N:\CRF4\09012006\J552896.raw**

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20 25 30
Glu Lys Leu Cys Ala Thr Tyr Lys Leu Cys His Pro Glu Glu Leu Val
35 40 45
Leu Leu Gly His Ser Leu Gly Ile Pro Trp Ala Pro Leu Ser Ser Cys
50 55 60
Pro Ser Gln Ala Leu Gln Leu Ala Gly Cys Leu Ser Gln Leu His Ser
65 70 75 80
Gly Leu Phe Leu Tyr Gln Gly Leu Leu Gln Ala Leu Glu Gly Ile Ser
85 90 95
Pro Glu Leu Gly Pro Thr Leu Asp Thr Leu Gln Leu Asp Val Ala Asp
100 105 110
Phe Ala Thr Thr Ile Trp Gln Gln Met Glu Glu Leu Gly Met Ala Pro
115 120 125
Ala Leu Gln Pro Thr Gln Gly Ala Met Pro Ala Phe Ala Ser Ala Phe
130 135 140
Gln Arg Arg Ala Gly Gly Val Leu Val Ala Ser His Leu Gln Ser Phe
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RAW SEQUENCE LISTING DATE: 09/01/2006
PATENT APPLICATION: **US/10/552,896** TIME: 12:13:41

Input Set : **A:\pto.da.txt**
Output Set: **N:\CRF4\09012006\J552896.raw**

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152 ctcctggtgc tcagctgcaa gtcaagctgc tctgtgggct gtgatctgcc tcaaacccac   600
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158 caaaaggctg aaaccatccc tgtcctccat gagatgatcc agcagatctt caatctcttc   780
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162 ctctaccagc agctgaatga cctggaagcc tgtgtgatac agggggtggg ggtgacagag   900
164 actcccctga tgaaggagga ctccattctg gctgtgagga aatacttcca aagaatcact   960
166 ctctatctga aagagaagaa atacagccct tgtgcctggg aggttgtcag agcagaaatc  1020
168 atgagatctt tttctttgtc aacaaacttg caagaaagtt taagaagtaa ggaatgaaaa  1080
170 ctggttcaac atggaaatga ttttcattga ttcgtatgcc agctcacctt tttatgatct  1140
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174 tttttaggag tattaatcaa cattgtattc agctcttaag gcactagtcc cttacagagg  1260
176 accatgctga ctgatccatt atctatttaa atatttttaa aatattattt atttaactat  1320
178 ttataaaaca acttatttct gttcatatta tgtcatgtgc acctttgcac agtggtttaat  1380
180 gtaataaaat gtgttctttg tatttggtaa atttattttg tgttgttcat tgaacttttg  1440
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186 taaaaataaa ctttctgtaa accaagttgt atgttgtact caagataaca gggtgaacct  1620
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202             20                  25                  30
204 Gly Ser Arg Arg Thr Leu Met Leu Leu Ala Gln Met Arg Arg Ile Ser
205         35                  40                  45
207 Leu Phe Ser Cys Leu Lys Asp Arg His Asp Phe Gly Phe Pro Gln Glu
208     50                  55                  60
210 Glu Phe Gly Asn Gln Phe Gln Lys Ala Glu Thr Ile Pro Val Leu His
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213 Glu Met Ile Gln Gln Ile Phe Asn Leu Phe Ser Thr Lys Asp Ser Ser
214                 85                  90                  95
216 Ala Ala Trp Asp Glu Thr Leu Leu Asp Lys Phe Tyr Thr Glu Leu Tyr
217             100                 105                 110
219 Gln Gln Leu Asn Asp Leu Glu Ala Cys Val Ile Gln Gly Val Gly Val
220         115                 120                 125
222 Thr Glu Thr Pro Leu Met Lys Glu Asp Ser Ile Leu Ala Val Arg Lys
223     130                 135                 140
225 Tyr Phe Gln Arg Ile Thr Leu Tyr Leu Lys Glu Lys Lys Tyr Ser Pro
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RAW SEQUENCE LISTING DATE: 09/01/2006
PATENT APPLICATION: **US/10/552,896** TIME: 12:13:41

Input Set : **A:\pto.da.txt**
Output Set: **N:\CRF4\09012006\J552896.raw**

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236 <212> TYPE: DNA
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242 tccatgagct acaacttgct tggattccta caaagaagca gcaattttca gtgtcagaag   120
244 ctcctgtggc aattgaatgg gaggcttgaa tattgcctca aggacaggat gaactttgac   180
246 atccctgagg agattaagca gctgcagcag ttccagaagg aggacgccgc attgaccatc   240
248 tatgagatgc tccagaacat ctttgctatt ttcagacaag attcatctag cactggctgg   300
250 aatgagacta ttgttgagaa cctcctggct aatgtctatc atcagataaa ccatctgaag   360
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260 gcttcaagca ttcttcaacc agcagatgct gtttaagtga ctgatggcta atgtactgca   660
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276             20                  25                  30
278 Ser Ser Asn Phe Gln Cys Gln Lys Leu Leu Trp Gln Leu Asn Gly Arg
279         35                  40                  45
281 Leu Glu Tyr Cys Leu Lys Asp Arg Met Asn Phe Asp Ile Pro Glu Glu
282     50                  55                  60
284 Ile Lys Gln Leu Gln Gln Phe Gln Lys Glu Asp Ala Ala Leu Thr Ile
285 65                  70                  75                  80
287 Tyr Glu Met Leu Gln Asn Ile Phe Ala Ile Phe Arg Gln Asp Ser Ser
288                 85                  90                  95
290 Ser Thr Gly Trp Asn Glu Thr Ile Val Glu Asn Leu Leu Ala Asn Val
291             100                 105                 110
293 Tyr His Gln Ile Asn His Leu Lys Thr Val Leu Glu Glu Lys Leu Glu
294         115                 120                 125
296 Lys Glu Asp Phe Thr Arg Gly Lys Leu Met Ser Ser Leu His Leu Lys
297     130                 135                 140
299 Arg Tyr Tyr Gly Arg Ile Leu His Tyr Leu Lys Ala Lys Glu Tyr Ser
300 145                 150                 155                 160
302 His Cys Ala Trp Thr Ile Val Arg Val Glu Ile Leu Arg Asn Phe Tyr
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RAW SEQUENCE LISTING DATE: 09/01/2006
PATENT APPLICATION: US/10/552,896 TIME: 12:13:41

Input Set : A:\pto.da.txt
Output Set: N:\CRF4\09012006\J552896.raw

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318 gcgttcctgg aggagctgcg gccgggctcc ctggagaggg agtgcaagga ggagcagtgc 180
320 tccttcgagg aggcccggga gatcttcaag gacgcggaga ggacgaagct gttctggatt 240
322 tcttacagtg atggggacca gtgtgcctca agtccatgcc agaatggggg ctcctgcaag 300
324 gaccagctcc agtcctatat ctgcttctgc ctccctgcct tcgagggccg gaactgtgag 360
326 acgcacaagg atgaccagct gatctgtgtg aacgagaacg gcggctgtga gcagtactgc 420
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369 20 25 30
371 Leu His Arg Arg Arg Arg Ala Asn Ala Phe Leu Glu Glu Leu Arg Pro
372 35 40 45
374 Gly Ser Leu Glu Arg Glu Cys Lys Glu Glu Gln Cys Ser Phe Glu Glu
375 50 55 60
377 Ala Arg Glu Ile Phe Lys Asp Ala Glu Arg Thr Lys Leu Phe Trp Ile
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380 Ser Tyr Ser Asp Gly Asp Gln Cys Ala Ser Ser Pro Cys Gln Asn Gly
381 85 90 95
383 Gly Ser Cys Lys Asp Gln Leu Gln Ser Tyr Ile Cys Phe Cys Leu Pro

VERIFICATION SUMMARY DATE: 09/01/2006
PATENT APPLICATION: **US/10/552,896** TIME: 12:13:42

Input Set : **A:\pto.da.txt**
Output Set: **N:\CRF4\09012006\J552896.raw**

Raw Sequence Listing before editing,
for reference only

IFWP

RAW SEQUENCE LISTING DATE: 08/28/2006
PATENT APPLICATION: **US/10/552,896** TIME: 10:22:21

Input Set : **A:\040853-01-5051US01 seq list.TXT**
Output Set: **N:\CRF4\08282006\J552896.raw**

3 <110> APPLICANT: Neose Technologies, Inc.
4 DeFrees, Shawn
5 Zopf, David
6 Bayer, Robert
7 Hakes, David
8 Chen, Xi
9 Bowe, Caryne

11 <120> TITLE OF INVENTION: GLYCOPEGYLATION METHODS AND PROTEINS/PEPTIDES PRODUCED BY THE
12 METHODS
14 <130> FILE REFERENCE: 040853-5051-US01
16 <140> CURRENT APPLICATION NUMBER: US 10/552,896
17 <141> CURRENT FILING DATE: 2005-10-11
19 <150> PRIOR APPLICATION NUMBER: US 10/411,012
20 <151> PRIOR FILING DATE: 2003-04-09
22 <150> PRIOR APPLICATION NUMBER: US 10/411,026
23 <151> PRIOR FILING DATE: 2003-04-09
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26 <151> PRIOR FILING DATE: 2003-04-09
28 <150> PRIOR APPLICATION NUMBER: US 10/411,049
29 <151> PRIOR FILING DATE: 2003-04-09
31 <150> PRIOR APPLICATION NUMBER: US 10/410,930
32 <151> PRIOR FILING DATE: 2003-04-09
34 <150> PRIOR APPLICATION NUMBER: US 10/410,897
35 <151> PRIOR FILING DATE: 2003-04-09
37 <150> PRIOR APPLICATION NUMBER: US 10/410,997
38 <151> PRIOR FILING DATE: 2003-04-09
40 <150> PRIOR APPLICATION NUMBER: US 10/411,044
41 <151> PRIOR FILING DATE: 2003-04-09
43 <150> PRIOR APPLICATION NUMBER: US 10/410,980
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47 <151> PRIOR FILING DATE: 2003-04-09
49 <150> PRIOR APPLICATION NUMBER: US 10/410,913
50 <151> PRIOR FILING DATE: 2003-04-09
52 <150> PRIOR APPLICATION NUMBER: US 10/411,037
53 <151> PRIOR FILING DATE: 2003-04-09
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56 <151> PRIOR FILING DATE: 2003-04-09
58 <150> PRIOR APPLICATION NUMBER: PCT US2004/011494
59 <151> PRIOR FILING DATE: 2004-04-09
61 <160> NUMBER OF SEQ ID NOS: 75
63 <170> SOFTWARE: PatentIn version 3.2

Does Not Comply
Corrected Diskette Needed
(95-2)

RAW SEQUENCE LISTING DATE: 08/28/2006
PATENT APPLICATION: **US/10/552,896** TIME: 10:22:21

Input Set : **A:\040853-01-5051US01 seq list.TXT**
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RAW SEQUENCE LISTING ERROR SUMMARY DATE: 08/28/2006
PATENT APPLICATION: **US/10/552,896** TIME: 10:22:22

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Output Set: **N:\CRF4\08282006\J552896.raw**

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Seq#:75; Line(s) 4863

VERIFICATION SUMMARY DATE: 08/28/2006
PATENT APPLICATION: **US/10/552,896** TIME: 10:22:22

Input Set : **A:\040853-01-5051US01 seq list.TXT**
Output Set: **N:\CRF4\08282006\J552896.raw**

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M:332 Repeated in SeqNo=75
L:4869 M:252 E: No. of Seq. differs, <211> LENGTH:Input:195 Found:197 SEQ:75